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| -1- (JAPIO) | 85-146454 |
| ACCESSION NUMBER | ZINC ALKALINE BATTERY |
| TITLE | (2000582) MATSUSHITA ELECTRIC IND CO LTD |
| PATENT APPLICANT | MIURA, AKIRA; OMURA, TSUKASA; OKAZAKI, RYOJI; TAKADA, |
| INVENTORS | KANJI |
| PATENT NUMBER | 85.08.02 J60146454, 85.08.02-146454 |
| APPLICATION DETAILS | 84.01.06 84JP-000970, 59-970 |
| SOURCE | 85.12.06 SECT. E, SECTION NO. 364; VOL. 9, NO. 310, PG. 138. |
| INT'L PATENT CLASS | H01M-004/42; C22C-018/00 |
| JAPIO CLASS | 42.9 (ELECTRONICS--Other); 12.2 (METALS--Metallurgy Heat Treating); 12.3 (METALS--Alloys) |
| FIXED KEYWORD CLASS | R057 (FIBERS--Non-woven Fabrics) |
| ABSTRACT | PURPOSE: To obtain a high-capacity zinc alkaline battery containing only a small amount of mercury by using as the negative active material an amalgamated zinc powder principally composed of zinc and containing at least one element chosen from among Pb, Cd and Sn and one of Tl and Ag as active elements. CONSTITUTION: An active material for a negative electrode 5 is prepared by amalgamating an alloy principally composed of zinc and containing at least one element chosen from among Pb, Cd and Sn and at least one of Tl and Ag. It is preferable that the above amalgamation through which alloy particles are coated with Hg be performed by a wet method by dropping Hg into a KOH solution of 30% concentration containing an alloy powder while stirring it. |